

Table 1. Comparison between the number of debris items and samples collected in the shoreline, nearshore, submerged and floating environments of the Galveston Bay Estuary.

Environment	Number of Samples	Number of Debris Items
Shoreline	37	3855
Nearshore	80	28
Submerged	104	27
Floating	6	9

Table 2. Summary of debris items found in shoreline, nearshore, submerged and floating samples taken in the Galveston Bay Estuary.

TYPE	ITEM	SHORE LINE	NEAR SHORE SHALLOW WATER	SUB- MERGED	FLOATING
PLASTIC					
BAGS:					
	FOOD BAGS	297	3	1	1
	SALT	3	0	0	0
	TRASH	42	1	6	0
	OTHER	94	0	3	2
BOTTLES:					
	BEVERAGE, SODA	34	0	0	0
	BLEACH, CLEANER	26	0	0	0
	MILK/WATER GAL. JUGS	39	0	1	1
	OIL, LUBE	42	0	0	0
	OTHER BOTTLES	32	0	0	0
BUCKETS					
		18	0	1	0
CAPS, LIDS					
		251	0	0	0
CIGARETTE FILTERS					
		173	0	0	0
CIGARETTE LIGHTERS					
		11	0	0	0
CUPS, UTENSILS					
		52	0	1	0
DIAPERS					
		16	0	0	0
FISHING LINE					
		48	0	0	0
FISHING LURES, FLOATS					
		22	0	0	0
FISHING NETS					
		4	0	0	0
HARD HATS					
		1	0	0	0
LIGHT STICKS					
		4	0	0	0
PIECES					
		330	1	0	0
PIPE THREAD PROTECTOR					
		0	0	0	0
ROPE					
		86	0	0	0
SHEETING:					
	LONGER THAN 2 FEET	6	0	0	0
	2 FEET OR SHORTER	17	0	0	0
6-PACK HOLDER					
		39	0	0	0
STRAPPING BANDS					
		9	0	1	0
STRAWS					
		29	0	0	0
SYRINGES					
		1	0	0	0
TAMPON APPLICATORS					
		3	0	0	0
TOYS					
		16	0	0	0
VEGETABLE SACKS					
		10	0	0	0
"WRITE PROTECTION" RINGS					
		0	0	0	0
OTHER PLASTIC (SPECIFY)					
		154	2	2	0
TOTAL PLASTICS					
		1,909	7	16	4

Table 2. Summary of debris items found in shoreline, nearshore, submerged and floating samples taken in the Galveston Bay Estuary.

TYPE	ITEM	SHORE LINE	NEAR SHORE SHALLOW WATER	SUB- MERGED	FLOATING
STYROFOAM					
	BUOYS	5	0	0	0
	CUPS	97	0	0	0
	EGG CARTONS	1	0	0	1
	FAST FOOD CONTAINERS	22	0	0	0
	MEAT TRAYS	6	0	0	0
	PACKAGING MATERIAL	18	0	0	0
	PIECES	161	0	0	0
	PLATES	13	0	0	0
	OTHER STYROFOAM (SPECIFY)	14	0	0	0
	TOTAL STYROFOAM	337	0	0	1
GLASS					
	BOTTLES/JARS:				
	BEVERAGE BOTTLES	143	0	0	0
	FOOD JARS	7	0	0	0
	OTHER BOTTLES/JARS	6	0	0	0
	FLUORESCENT LIGHT TUBES	0	0	0	0
	LIGHT BULBS	5	0	0	0
	PIECES	297	2	0	0
	OTHER GLASS (SPECIFY)	6	0	0	0
	TOTAL GLASS	464	2	0	0
RUBBER					
	BALLOONS	12	0	0	0
	CONDOMS	0	0	0	0
	GLOVES	8	0	0	0
	TIRES	11	4	0	0
	OTHER RUBBER (SPECIFY)	30	0	0	0
	TOTAL RUBBER	61	4	0	0

Table 2. Summary of debris items found in shoreline, nearshore, submerged and floating samples taken in the Galveston Bay Estuary.

TYPE	ITEM	SHORE LINE	NEAR SHORE SHALLOW WATER	SUB- MERGED	FLOATING
METAL:					
	BOTTLE CAPS	8	0	0	0
	CANS:				
	AEROSOL	13	0	0	0
	BEVERAGE	234	3	6	2
	FOOD	11	0	0	0
	OTHER	3	0	0	0
	CRAB/FISH TRAPS	3	0	0	0
	55 GALLON DRUMS:				
	RUSTY	0	0	0	0
	NEW	0	0	0	0
	PIECES	15	1	1	0
	PULL TABS	11	0	0	0
	WIRE	11	0	0	0
	OTHER METAL (SPECIFY)	41	2	3	0
	TOTAL METAL	350	6	10	2
PAPER:					
	BAGS	16	1	0	0
	CARDBOARD	28	0	0	1
	CARTONS	38	0	0	0
	CUPS	12	0	0	0
	NEWSPAPERS/MAGAZINES	7	0	0	0
	PIECES	76	1	0	0
	PLATES	13	0	0	0
	OTHER PAPER (SPECIFY)	114	0	0	1
	TOTAL PAPER	304	2	0	2
WOOD:					
	CRAB/LOBSTER TRAPS	0	0	0	0
	CRATES	0	0	0	0
	LUMBER PIECES	187	1	0	0
	PALLETS	0	0	0	0
	OTHER WOOD (SPECIFY)	10	0	0	0
	TOTAL WOOD	197	1	0	0

Table 2. Summary of debris items found in shoreline, nearshore, submerged and floating samples taken in the Galveston Bay Estuary.

TYPE	ITEM	SHORE LINE	NEAR SHORE SHALLOW WATER	SUB- MERGED	FLOATING
CLOTH					
	CLOTHING/PIECES	57	0	1	0
	TOTAL CLOTH	57	0	1	0
INDUSTRIAL/CONSTRUCTION					
	BRICKS	114	5	0	0
	CARPET	2	0	0	0
	PAINT CANS	1	0	0	0
	SHINGLES	24	0	0	0
	TAR	26	2	0	0
	OTHER	9	0	0	0
	TOTAL INDUSTRIAL	176	7	0	0
	TOTAL DEBRIS ITEMS	3855	28	27	9

Table 3. Ten most prevalent debris items collected on the shoreline.

Item	Number collected	Percentage
Plastic pieces	330	8.56
Plastic bags	297	7.70
Glass pieces	297	7.70
Plastic caps	251	6.51
Metal beverage cans	234	6.07
Lumber	187	4.85
Plastic cigarette filters	173	4.48
Styrofoam pieces	161	4.17
Other plastic	154	3.99
Glass beverage bottles	143	3.71
Total	2227	57.77

Table 4. Estimate of debris items occurring in the shoreline environment of the Galveston Bay Estuary.

Area	Shoreline distance (m)	Lower 95% limit	Mean (no./m)	Upper 95% limit	Lower 95% limit	Total estimate	Upper 95% limit
Trinity	92842.8	1.91	2.89	3.87	177609	268529	359449
E. Bay	127726.2	0.31	1.53	2.75	39159	195164	351169
Rest	441131.0	2.40	3.72	5.05	1056945	1642238	2227531
Total					1273713	2105931	2938149

Table 5. Estimates of debris items occurring in the nearshore environment of the Galveston Bay Estuary.

Location	Bay area (hectares)	Lower 95% limit	Mean (items/ ha)	Upper 95% limit	Lower 95% limit	Estimated number	Upper 95% limit
Nearshore	41,222	4.67	11.67	18.67	192,369	480,923	769,477

Table 6. Comparison between the number of submerged debris items collected in the ICWW and those collected in the other submerged areas in the Galveston Bay Estuary.

Area	Samples	Total items	Percent of Samples with debris	Percent of Total Debris items
ICWW	24	21	41.6%	78%
Remainder	80	6	3.7%	22%
Total	104	27		

Table 7. Estimates of debris magnitude in the submerged environment of the Galveston Bay Estuary.

Location	Bay Area (hectares)	Lower 95% limit	Mean (items/ ha)	Upper 95% limit	Lower 95% limit	Estimated number	Upper 95% limit
ICWW	72	0.79	1.87	2.95	57	135	213
Rest	100,382	0.09	0.16	0.27	9397	16018	27124
Total					9454	16153	27337